

Prof. GÖKSEL NİYZAZİ DEMİRER

Personal Information

Email: goksel@metu.edu.tr

Web: <https://avesis.metu.edu.tr/goksel>

Education Information

Doctorate, Vanderbilt University, İnşaat Ve Çevre Mühendisliği Bölümü, United States Of America 1992 - 1996

Postgraduate, Middle East Technical University, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği (YL) (Tezli), Turkey 1989 - 1991

Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, Turkey 1985 - 1989

Dissertations

Doctorate, Inhibitory effects and anaerobic biotransformation of acrolein, acrylic acid, allyl alcohol, and n-propanol, Vanderbilt University, İnşaat Ve Çevre Mühendisliği Bölümü, 1996

Postgraduate, Effect of Cr(VI) on Activated Sludge Process, Middle East Technical University, Graduate School of Natural and Applied Sciences, Çevre Mühendisliği (YL) (Tezli), 1991

Academic Titles / Tasks

Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2005 - Continues

Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1999 - 2005

Assistant Professor, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1998 - 1999

Lecturer, Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 1997 - 1998

Academic and Administrative Experience

Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2012 - Continues

Middle East Technical University, Faculty of Engineering, Department of Environmental Engineering, 2006 - 2012

Advising Theses

Demirer G. N., Bayramoğlu T. H., Coupled wastewater treatment and CO₂ mitigation by microalgal (Chlorella Vulgaris) cultures, Postgraduate, D.Çaylı(Student), 2017

DEMİRER G. N., Integrated nutrient removal and carbon dioxide sequestration by using mixed microalgae culture, Postgraduate, Ş.Burak(Student), 2017

DEMİRER G. N., Resource efficient and cleaner production in selected foundries through environmental performance evaluation, Postgraduate, A.Usta(Student), 2017

DEMİRER G. N., Anaerobic treatability and biogas production potential of pistachio processing wastewater with upflow anaerobic sludge blanket (uasb) reactor, Postgraduate, E.Gür(Student), 2016

DEMİRER G. N., Integrated nutrient removal and biogas production using microalgal and anaerobic microbial cultures, Postgraduate, A.Özgül(Student), 2013

DEMİRER G. N., Diffusion of sustainable production approach into Turkish manufacturing industry : pilot applications and sectoral assessments, Doctorate, E.Alkaya(Student), 2013

DEMİRER G. N., Investigation of sectoral priorities for cleaner (sustainable) production at regional and national level, Postgraduate, M.Böğürücü(Student), 2012

DEMİRER G. N., Agricultural reuse of water and nutrients from wastewater treatment in İzmir Region, Postgraduate, E.Sarıkaya(Student), 2012

DEMİRER G. N., Performance assessment and enhancement of anaerobic digestion of organic wastes from a snacks production facility, Postgraduate, B.Gür(Student), 2010

DEMİRER G. N., Removal and recovery of nutrients as struvite from anaerobic digestion/co-digestion residues of poultry manure, Postgraduate, Y.Dilşad(Student), 2009

DEMİRER G. N., Dark fermentative bio-hydrogen production from sugar-beet processing wastes, Postgraduate, L.Özkan(Student), 2009

DEMİRER G. N., Two-phase anaerobic digestion of semi-solid organic wastes, Postgraduate, E.Doğan(Student), 2008

DEMİRER G. N., Biorefining of sugar-beet processing wastes by anaerobic biotechnology: waste stabilization and bioproduct formation, Postgraduate, E.Alkaya(Student), 2008

DEMİRER G. N., Anaerobic treatment of dilute wastewaters, Doctorate, E.Alptekin(Student), 2008

DEMİRER G. N., Enhancing the performance of anaerobic digestion of dairy manure through phase-separation, Doctorate, V.Yılmaz(Student), 2007

DEMİRER G. N., Organic acids production from cheese-whey, Postgraduate, S.Türkmenoğlu(Student), 2006

DEMİRER G. N., Organic acid production from the organic fraction of municipal solid waste in leaching bed reactors, Postgraduate, E.Doğan(Student), 2006

DEMİRER G. N., The development and use of combined cultures for the treatment of low strength wastewaters, Doctorate, T.Hande(Student), 2005

DEMİRER G. N., Domestic wastewater treatment in pilot-scale constructed wetlands implemented in the Middle East Technical University, Doctorate, E.Asuman(Student), 2004

DEMİRER G. N., Cleaner production opportunity assessment for market milk production in Atatürk Orman Çiftliği (AOÇ) facility, Postgraduate, A.Özbay(Student), 2003

DEMİRER G. N., Demirer G., Treatment of gaseous trichloroethylene by sequential biotic and abiotic removal mechanisms, Postgraduate, U.Tezel(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Anaerobic Digestability and Biogas Production Capacity of Pistachio Processing Wastewater in UASB Reactors**
Gur E., Demirer G. N.
JOURNAL OF ENVIRONMENTAL ENGINEERING, vol.145, no.8, 2019 (SCI-Expanded)
- II. **Anaerobic treatability and residual biogas potential of the effluent stream of anaerobic digestion processes**
Ugudur N., Demirer G. N.
WATER ENVIRONMENT RESEARCH, vol.91, no.3, pp.259-268, 2019 (SCI-Expanded)
- III. **Carbon-to-nitrogen and substrate-to-inoculum ratio adjustments can improve co-digestion performance of microalgal biomass obtained from domestic wastewater treatment**
Calicioglu O., Demirer G. N.
ENVIRONMENTAL TECHNOLOGY, vol.40, no.5, pp.614-624, 2019 (SCI-Expanded)

- IV. **Life cycle assessment of biogas production through anaerobic co-digestion of nopal cladodes and dairy cow manure**
Rafael Ramirez-Arpide F., Demirer G. N., Gallegos-Vazquez C., Hernandez-Eugenio G., Horacio Santoyo-Cortes V., Espinosa-Solares T.
JOURNAL OF CLEANER PRODUCTION, vol.172, pp.2313-2322, 2018 (SCI-Expanded)
- V. **Coupled nutrient removal from the wastewater and CO₂ biofixation from the flue gas of iron and steel manufacturing**
Cayli D., Uludag-Demirer S., Demirer G. N.
INTERNATIONAL JOURNAL OF GLOBAL WARMING, vol.16, no.2, pp.148-161, 2018 (SCI-Expanded)
- VI. **Biogas Production from Waste Microalgal Biomass Obtained from Nutrient Removal of Domestic Wastewater**
Calicioglu O., Demirer G. N.
WASTE AND BIOMASS VALORIZATION, vol.7, no.6, pp.1397-1408, 2016 (SCI-Expanded)
- VII. **ORGANIC ACID PRODUCTION FROM THE ORGANIC FRACTION OF MUNICIPAL SOLID WASTE AND COW MANURE IN LEACHING BED REACTORS**
ERGUDER T. H., DEMİRER G. N.
ENVIRONMENTAL ENGINEERING AND MANAGEMENT JOURNAL, vol.15, no.11, pp.2487-2495, 2016 (SCI-Expanded)
- VIII. **Minimizing and adding value to seafood processing wastes**
Alkaya E., Demirer G. N.
FOOD AND BIOPRODUCTS PROCESSING, vol.100, pp.195-202, 2016 (SCI-Expanded)
- IX. **Anaerobic digestion of microalgal (*Chlorella vulgaris*) biomass as a source of biogas and biofertilizer**
Dogan-Subasi E., Demirer G. N.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.35, no.4, pp.936-941, 2016 (SCI-Expanded)
- X. **Biogas production from pistachio (*Pistaciavera L.*) de-hulling waste**
Demirer G. N.
INTERNATIONAL JOURNAL OF GREEN ENERGY, vol.13, no.13, pp.1320-1324, 2016 (SCI-Expanded)
- XI. **Water recycling and reuse in soft drink/beverage industry: A case study for sustainable industrial water management in Turkey**
Alkaya E., Demirer G. N.
RESOURCES CONSERVATION AND RECYCLING, vol.104, pp.172-180, 2015 (SCI-Expanded)
- XII. **Reducing water and energy consumption in chemical industry by sustainable production approach: a pilot study for polyethylene terephthalate production**
Alkaya E., Demirer G. N.
JOURNAL OF CLEANER PRODUCTION, vol.99, pp.119-128, 2015 (SCI-Expanded)
- XIII. **Integrated nutrient removal and biogas production by *Chlorella vulgaris* cultures**
Calicioglu O., Demirer G. N.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.7, no.3, 2015 (SCI-Expanded)
- XIV. **Adaptation to Climate Change in Industry: Improving Resource Efficiency through Sustainable Production Applications**
Alkaya E., Bogurcu M., Ulutas F., Demirer G. N.
WATER ENVIRONMENT RESEARCH, vol.87, no.1, pp.14-25, 2015 (SCI-Expanded)
- XV. **Sectoral assessment of the Turkish textile industry for the diffusion of sustainable production approach**
Alkaya E., Demirer G. N.
JOURNAL OF THE TEXTILE INSTITUTE, vol.106, no.11, pp.1212-1225, 2015 (SCI-Expanded)
- XVI. **Improving resource efficiency in surface coating/painting industry: practical experiences from a small-sized enterprise**
Alkaya E., DEMİRER G. N.
CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY, vol.16, no.8, pp.1565-1575, 2014 (SCI-Expanded)

- XVII. **Sustainable textile production: a case study from a woven fabric manufacturing mill in Turkey**
Alkaya E., Demirer G. N.
JOURNAL OF CLEANER PRODUCTION, vol.65, pp.595-603, 2014 (SCI-Expanded)
- XVIII. **The effect of managing nutrients in the performance of anaerobic digesters of municipal wastewater treatment plants**
Demirer S. U., TAŞKIN B., Demirer G. N., Duran M.
APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, vol.97, no.17, pp.7899-7907, 2013 (SCI-Expanded)
- XIX. **Nitrogen and phosphorus recovery from anaerobic co-digestion residues of poultry manure and maize silage via struvite precipitation**
Yilmazel Y. D., Demirer G. N.
WASTE MANAGEMENT & RESEARCH, vol.31, no.8, pp.792-804, 2013 (SCI-Expanded)
- XX. **Greening of production in metal processing industry through process modifications and improved management practices**
Alkaya E., Demirer G. N.
RESOURCES CONSERVATION AND RECYCLING, vol.77, pp.89-96, 2013 (SCI-Expanded)
- XXI. **Biogas production from broiler manure, wastewater treatment plant sludge, and greenhouse waste by anaerobic co-digestion**
Sarikaya E., Demirer G. N.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.5, no.4, 2013 (SCI-Expanded)
- XXII. **The national capacity assessment on cleaner (sustainable) production in Turkey**
Ulutas F., Alkaya E., Bogurcu M., Demirer G. N.
SUSTAINABLE CITIES AND SOCIETY, vol.5, pp.30-36, 2012 (SCI-Expanded)
- XXIII. **Biogas generation by two-phase anaerobic digestion of organic fraction of municipal solid waste**
Dogan E., DEMİRER G. N.
JOURNAL OF RENEWABLE AND SUSTAINABLE ENERGY, vol.4, no.6, 2012 (SCI-Expanded)
- XXIV. **Biochemical methane potential (BMP) of solid organic substrates: evaluation of anaerobic biodegradability using data from an international interlaboratory study**
Raposo F., Fernandez-Cegri V., De la Rubia M. A., Borja R., Beline F., Cavinato C., Demirer G., Fernandez B., Fernandez-Polanco M., Frigon J. C., et al.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.86, no.8, pp.1088-1098, 2011 (SCI-Expanded)
- XXV. **Anaerobic mesophilic co-digestion of sugar-beet processing wastewater and beet-pulp in batch reactors**
Alkaya E., Demirer G. N.
RENEWABLE ENERGY, vol.36, no.3, pp.971-975, 2011 (SCI-Expanded)
- XXVI. **Anaerobic-Fed and Sequencing-Batch Treatment of Sugar-Beet Processing Wastes: A Comparative Study**
Alkaya E., Demirer G. N.
WATER ENVIRONMENT RESEARCH, vol.83, no.3, pp.247-255, 2011 (SCI-Expanded)
- XXVII. **Anaerobic acidification of sugar-beet processing wastes: Effect of operational parameters**
Alkaya E., Demirer G. N.
BIOMASS & BIOENERGY, vol.35, no.1, pp.32-39, 2011 (SCI-Expanded)
- XXVIII. **Effects of pretreatment methods on solubilization of beet-pulp and bio-hydrogen production yield**
Ozkan L., ERGUDER T. H., DEMİRER G. N.
INTERNATIONAL JOURNAL OF HYDROGEN ENERGY, vol.36, no.1, pp.382-389, 2011 (SCI-Expanded)
- XXIX. **Removal and recovery of nutrients as struvite from anaerobic digestion residues of poultry manure**
YILMAZEL Y. D., Demirer G. N.
ENVIRONMENTAL TECHNOLOGY, vol.32, no.7, pp.783-794, 2011 (SCI-Expanded)
- XXX. **Effect of operational parameters on anaerobic co-digestion of dairy cattle manure and agricultural residues: A case study for the Kahramanmaraş region in Turkey**
Alkaya E., ERGUDER T. H., DEMİRER G. N.
ENGINEERING IN LIFE SCIENCES, vol.10, no.6, pp.552-559, 2010 (SCI-Expanded)

- XXXI. **Quality improvement in determination of chemical oxygen demand in samples considered difficult to analyze, through participation in proficiency-testing schemes**
Raposo F., Fernandez-Cegri V., De la Rubia M. A., Borja R., Beltran J., Cavinato C., Clinckspoor M., DEMİRER G. N., Diamadopoulou E., Frigon J. C., et al.
TRAC-TRENDS IN ANALYTICAL CHEMISTRY, vol.29, no.9, pp.1082-1091, 2010 (SCI-Expanded)
- XXXII. **The determination of fertilizer quality of the formed struvite from effluent of a sewage sludge anaerobic digester**
UYSAL A., YILMAZEL Y. D., DEMİRER G. N.
JOURNAL OF HAZARDOUS MATERIALS, vol.181, pp.248-254, 2010 (SCI-Expanded)
- XXXIII. **Investigation of the effect of culture type on biological hydrogen production from sugar industry wastes**
Ozkan L., ERGÜDER T. H., DEMİRER G. N.
WASTE MANAGEMENT, vol.30, no.5, pp.792-798, 2010 (SCI-Expanded)
- XXXIV. **Treatment of opium alkaloid containing wastewater in sequencing batch reactor (SBR)-Effect of gamma irradiation**
Bural C. B., Demirer G. N., Kantoglu O., DİLEK F. B.
RADIATION PHYSICS AND CHEMISTRY, vol.79, no.4, pp.519-526, 2010 (SCI-Expanded)
- XXXV. **Modification of a Conventional Anaerobic Digester for Improving the Effluent and Sludge Characteristics**
Uludag-Demirer S., Demirer G. N., Othman M.
WATER ENVIRONMENT RESEARCH, vol.81, no.12, pp.2447-2454, 2009 (SCI-Expanded)
- XXXVI. **An interlaboratory study as useful tool for proficiency testing of chemical oxygen demand measurements using solid substrates and liquid samples with high suspended solid content**
Raposo F., de la Rubia M. A., Borja R., Alaiz M., Beltran J., Cavinato C., Clinckspoor M., Demirer G., Diamadopoulou E., Helmreich B., et al.
TALANTA, vol.80, no.1, pp.329-337, 2009 (SCI-Expanded)
- XXXVII. **Recovery of acids from anaerobic acidification broth by liquid-liquid extraction**
Alkaya E., Kaptan S., Ozkan L., Uludag-Demirer S., Demirer G. N.
CHEMOSPHERE, vol.77, no.8, pp.1137-1142, 2009 (SCI-Expanded)
- XXXVIII. **Volatile Fatty Acid Production from Organic Fraction of Municipal Solid Waste Through Anaerobic Acidogenic Digestion**
Dogan E., Demirer G. N.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.26, no.9, pp.1443-1450, 2009 (SCI-Expanded)
- XXXIX. **Performance of leaching bed reactor converting the organic fraction of municipal solid waste to organic acids and alcohols**
DOĞAN E., Dunaev T., ERGÜDER T. H., DEMİRER G. N.
CHEMOSPHERE, vol.74, no.6, pp.797-803, 2009 (SCI-Expanded)
- XL. **A chemical substitution study for a wet processing textile mill in Turkey**
Ozturk E., YETİŞ Ü., DİLEK F. B., Demirer G. N.
JOURNAL OF CLEANER PRODUCTION, vol.17, no.2, pp.239-247, 2009 (SCI-Expanded)
- XLI. **Enhancing the performance of anaerobic digestion of dairy manure through phase-separation**
Yilmaz V., Demirer G. N.
CLEAN-SOIL AIR WATER, vol.36, no.9, pp.760-766, 2008 (SCI-Expanded)
- XLII. **Improved anaerobic acidification of unscreened dairy manure**
Yilmaz V., Demirer G. N.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.25, no.3, pp.309-317, 2008 (SCI-Expanded)
- XLIII. **Low strength wastewater treatment with combined granular anaerobic and suspended aerobic cultures in upflow sludge blanket reactors**
ERGÜDER T. H., DEMİRER G. N.
Journal Of Environmental Engineering-Asce, vol.134, pp.295-303, 2008 (SCI-Expanded)
- XLIV. **Anaerobic biogasification of undiluted dairy manure in leaching bed reactors**

- Demirer G. N., Chen S.
WASTE MANAGEMENT, vol.28, no.1, pp.112-119, 2008 (SCI-Expanded)
- XLV. **Two-Phase Thermophilic Acidification and Mesophilic Methanogenesis Anaerobic Digestion of Waste-Activated Sludge**
Demirer G. N., Othman M.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.25, no.9, pp.1291-1300, 2008 (SCI-Expanded)
- XLVI. **Anaerobic digestion of dairy manure with enhanced ammonia removal**
Uludag-Demirer S., Demirer G. N., Frear C., Chen S.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.86, no.1, pp.193-200, 2008 (SCI-Expanded)
- XLVII. **Cleaner production opportunity assessment study in SEKA Balikesir pulp and paper mill**
Avsar E., Demirer G. N.
JOURNAL OF CLEANER PRODUCTION, vol.16, no.4, pp.422-431, 2008 (SCI-Expanded)
- XLVIII. **Cleaner production opportunity assessment for a milk processing facility**
Ozbay A., Demirer G. N.
JOURNAL OF ENVIRONMENTAL MANAGEMENT, vol.84, no.4, pp.484-493, 2007 (SCI-Expanded)
- XLIX. **Use of blast furnace granulated slag as a substrate in vertical flow reed beds: Field application**
Korkusuz E. A., Beklioglu M., Demirer G. N.
BIORESOURCING TECHNOLOGY, vol.98, no.11, pp.2089-2101, 2007 (SCI-Expanded)
- L. **Biogas production potential from cotton wastes**
Isici A., Demirer G. N.
RENEWABLE ENERGY, vol.32, no.5, pp.750-757, 2007 (SCI-Expanded)
- LI. **Evaluation of the hazardous waste landfill cap system design and clay layer thickness criteria of the Turkish Regulation on the Control of Hazardous Waste (RCHW) using the Hydrological Evaluation of Landfill Performance (HELP) model**
Piskin F. Y., Demirer G. N.
INTERNATIONAL JOURNAL OF ENVIRONMENT AND POLLUTION, vol.31, pp.178-192, 2007 (SCI-Expanded)
- LII. **Life cycle assesment of municipal solid waste management methods: Ankara case study**
Ozeler D., Yetis U., Demirer G.
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- LIII. **Anaerobic digestion of dairy manure in a hybrid reactor with biogas recirculation**
Demirer G., Chen S.
WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY, vol.21, pp.1509-1514, 2005 (SCI-Expanded)
- LIV. **Ammonia removal from anaerobically digested dairy manure by struvite precipitation**
Uludag-Demirer S., Demirer G., Chen S.
PROCESS BIOCHEMISTRY, vol.40, no.12, pp.3667-3674, 2005 (SCI-Expanded)
- LV. **Investigation of granulation of a mixture of suspended anaerobic and aerobic cultures under alternating anaerobic/microaerobic/aerobic conditions**
ERGUDER T. H., DEMİRER G. N.
PROCESS BIOCHEMISTRY, vol.40, no.12, pp.3732-3741, 2005 (SCI-Expanded)
- LVI. **Two-phase anaerobic digestion of unscreened dairy manure**
Demirer G., Chen S.
PROCESS BIOCHEMISTRY, vol.40, no.11, pp.3542-3549, 2005 (SCI-Expanded)
- LVII. **Granulation of a mixture of suspended anaerobic and aerobic cultures under alternating anaerobic/microaerobic/aerobic conditions: a preliminary study**
ERGUDER T. H., DEMİRER G. N.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.80, no.7, pp.837-842, 2005 (SCI-Expanded)
- LVIII. **Comparison of the treatment performances of blast furnace slag-based and gravel-based vertical flow wetlands operated identically for domestic wastewater treatment in Turkey**
Korkusuz E., Beklioglu M., Demirer G.
ECOLOGICAL ENGINEERING, vol.24, no.3, pp.187-200, 2005 (SCI-Expanded)
- LIX. **Control of trichloroethylene emissions from sparging systems by horizontal bio- and chemo-barriers**

- Tezel U., Demirer G., Uludag-Demirer S.
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- LX. **Effect of retention time and organic loading rate on anaerobic acidification and biogasification of dairy manure**
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JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, vol.79, no.12, pp.1381-1387, 2004 (SCI-Expanded)
- LXI. **Effect of initial COD concentration, nutrient addition, temperature and microbial acclimation on anaerobic treatability of broiler and cattle manure**
Gungor-Demirci G., Demirer G.
BIORESOURCING TECHNOLOGY, vol.93, no.2, pp.109-117, 2004 (SCI-Expanded)
- LXII. **The inhibitory effects of lindane in batch and upflow anaerobic sludge blanket UASB reactors**
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Chemosphere, vol.50, pp.165-169, 2003 (SCI-Expanded)
- LXIII. **Sequential (anaerobic/aerobic) biological treatment of malt whisky wastewater**
Uzal N., Gokcay C., Demirer G.
PROCESS BIOCHEMISTRY, vol.39, no.3, pp.279-286, 2003 (SCI-Expanded)
- LXIV. **The inhibitory effects and removal of dieldrin continuous upflow anaerobic sludge blanket reactors**
ERGUDER T. H., GÜVEN E., DEMİRER G. N.
Bioresource Technology, vol.89, pp.191-197, 2003 (SCI-Expanded)
- LXV. **Anaerobic treatment of synthetic textile wastewater containing a reactive azo dye**
Sen S., Demirer G.
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- LXVI. **The inhibitory effects of lindane in batch and upflow anaerobic sludge blanket reactors**
Erguder T. H., Guven E., Demirer G.
CHEMOSPHERE, vol.50, no.1, pp.165-169, 2003 (SCI-Expanded)
- LXVII. **Performance evaluation of landfills with the HELP (hydrologic evaluation of landfill performance) model: Izmit case study**
Yalcin F., Demirer G.
ENVIRONMENTAL GEOLOGY, vol.42, no.7, pp.793-799, 2002 (SCI-Expanded)
- LXVIII. **Sequential Anaerobic Aerobic biological treatment of Dalaman SEKA Pulp and Paper Industry effluent**
TEZEL U., ERGUDER T. H., DEMİRER G. N., GÜVEN E.
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- LXIX. **Comparison of methods for estimating carbonaceous BOD parameters**
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ENVIRONMENTAL TECHNOLOGY, vol.22, no.8, pp.915-926, 2001 (SCI-Expanded)
- LXX. **Anaerobic biotransformation and methane generation potential of cheese whey in batch and UASB reactors**
ERGUDER T. H., TEZEL U., GÜVEN E., DEMİRER G. N.
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- LXXI. **Removal of trihalomethane precursors by granular activated carbon treatment**
CAPAR G., DEMİRER G. N., DİLEK F. B., YETİŞ Ü.
FRESenius ENVIRONMENTAL BULLETIN, vol.10, no.2, pp.197-202, 2001 (SCI-Expanded)
- LXXII. **Effectiveness of anaerobic biomass in adsorbing heavy metals**
Haytöglu B., Demirer G., Yetis U.
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- LXXIII. **Anaerobic treatability and biogas production potential studies of different agro-industrial wastewaters in Turkey**
DEMİRER G. N., Duran M., ERGUDER T. H., GÜVEN E., Ugurlu O., TEZEL U.
BIODEGRADATION, vol.11, no.6, pp.401-405, 2000 (SCI-Expanded)
- LXXIV. **Determination of the optimum loading strategies for monochloro-, trichloro-, and 2,4-**

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GÜVEN E., ERGUDER T. H., DEMİRER G. N.

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- LXXXV. **Comparison of anaerobic acrylic acid biotransformation in single- and two-stage pH-stat completely stirred tank reactor systems**
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- LXXXVI. **Anaerobic treatment of olive mill wastes in batch reactors**
Erguder T. H., Güven E., Demirer G. N.
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- LXXXVII. **Effect of chromium(VI) on the biomass yield of activated sludge**
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- LXXXVIII. **Inhibitory effects and biotransformation of acrylic acid in computer-controlled pH-stat CSTRs**
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- LXXXIX. **Anaerobic biotransformation of four 3-carbon compounds (acrolein, acrylic acid, allyl alcohol and n-propanol) in UASB reactors**
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- LXXX. **The role of process configuration in the performance of anaerobic systems**
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Articles Published in Other Journals

- I. **Biogas production from pistachio (*Pistacia vera* L.) processing waste**
Celik I., Demirer G. N.
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Books & Book Chapters

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